Set	Items	Description
S1	4228	USB OR UNIVERSAL()SERVICE? ?()(BUS OR PORT? ? OR BUSES OR -BUSED OR BUSING OR BUSSE? ? OR BUSSING OR SUBBUS? OR MULTIBUS? OR DATABUS? OR FASTBUS?)
S2	16	USBS
S3	87833	KEYBOARD? OR KEYSET? ? OR KEYPAD? ? OR KBD? ? OR FINGERBOARD? OR (FINGER OR KEY)()BOARD? ? OR KEY()(SET? ? OR PAD? ? OR BD? ?)
S4	2017794	INPUT? OR PUT OR PUTS OR PUTTING OR PUTING OR PLOTING OR P-LOTTING OR SCANING OR SCANNING OR POINTING
S5	310273	S4(1W)(DEVICE? OR EQUIPMENT? OR UNIT OR UNITS OR APPLIANCE? OR MECHANISM? OR APPARATUS? OR APP?? ? OR COMPONENT?)
S6	181109	MOUSE? ? OR MICE? ? OR SCANER? ? OR SCANNER? ? OR JOYSTICK? OR JOY()STICK? ? OR PEN OR PENS OR LIGHTPEN? ? OR STYLUS?
S7	51987	PLOTTER? OR PADDLE OR PADDLES OR TRACKBALL? OR TRACKBALL? ? OR POINTER? ?
S8	42682	OCR OR OCRS OR OPTIC?? ?(1W)CHARACTER? ?(1W)(RECOGNIS? OR -RECOGNIZ? OR READER? ?)
S9	11583698	ACCESS OR ACCESSE? ? OR ACCESSING OR REACCESS? OR USE OR U-SED OR USES OR USING OR USAGE? OR OPERATING OR OPERATION?
S10	3330499	ACTIV? OR ACTUAT? OR ENABL? OR INABL? OR ENGAG?
S11	541112	S9:S10(3N)(PREVENT? OR REMOV? OR BLOCK??? ? OR INHIBIT? OR PROHIBIT? OR STOP???? ? OR DENY? OR DENIE? ? OR HINDER?)
S12	115272	S9:S10(3N)(ELIMINAT? OR RESTRICT? OR LIMIT??? ?)
S13	1650	S11:S12(3N)(S3 OR S5:S8 OR TRACK()BALL? ?)
S14	1194	(S3 OR S5:S8 OR TRACK()BALL? ?)(3N)(DISABL? OR DISENABL? OR DISINABL? OR LOCK OR LOCKS OR LOCKED OR LOCKING OR INACTIVAT? OR INACTUAT?)
S15	118	(S3 OR S5:S8 OR TRACK()BALL? ?)(3N)(DEACTIVAT? OR DEACTUAT? OR UNACTIVAT? OR UNACTUAT? OR DISENGAG? OR UNENGAG?)
S16	6	(S3 OR S5:S8 OR TRACK()BALL? ?)(3N)(DIS OR UN OR DE)()(ABL? OR ENABL? OR INABL? OR ENGAG? OR ACTUAT? OR ACTIVAT? OR ASSO-CIAT?)
S17	0	(S3 OR S5:S8 OR TRACK()BALL? ?)(3N)(DIS OR UN OR DE)()(CON-NECT???? ? OR ATTACH?)
S18	1315	(S3 OR S5:S8 OR TRACK()BALL? ?)(3N)(DISCONNECT? OR DETACH? OR DISASSOCIAT? OR UNCONNECT? OR UNATTACH? OR DECONNECT?)
S19	213	(S3 OR S5:S8 OR TRACK()BALL? ?)(3N)(TURNOFF OR SHUTOFF OR -CRIPPL? OR SWITCHOFF OR (SWITCH??? ? OR SHUT???? ? OR TURN??? ?)()OFF)
S20	13	S1:S2 AND S13:S19
S21	634921	SECURE? ? OR SECURING OR SECURITY?
S22	230	S1:S2 AND S21
S23	41	S22 AND (S3 OR S5:S8 OR TRACK()BALL? ?)
S24	52	S20 OR S23
S25	52	IDPAT (sorted in duplicate/non-duplicate order)
S26	52	IDPAT (primary/non-duplicate records only)

26/9/3   (Item 3 from file: 350)

016309228   **Image available**
WPI Acc No: 2004-467123/200444
XRPX Acc No: N04-369023

Computer system e.g. notebook computer for auxiliary device e.g. touch pad, has keyboard controller connected to operating system program that determines when external universal serial bus mouse device is attached to computer

Patent Assignee: LG ELECTRONICS INC (GLDS)
Inventor: KIM Y H; YOON D H
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040104888	A1	20040603	US 2003622458	A	20030721	200444	B

Priority Applications (No Type Date): KR 200270875 A 20021114
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20040104888	A1		10	G09G-005/00	

Abstract (Basic): US 20040104888 A1
    NOVELTY - The system has a keyboard (12) to receive user commands.
A keyboard controller (11) communicates with an operating system
program that determines when an external universal serial bus (**USB**)
mouse device (16) is attached to a computer. The operating system
ignores data from the keyboard and receives data from the external **USB**
mouse when the external **USB** mouse is attached to the computer.
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
    (a) a method for controlling a computer
    (b) a computer readable medium having software to enable a computer
to perform an operation
    USE - Used for controlling driving of an auxiliary device e.g.
touch pad.
    ADVANTAGE - The controller automatically enables or **disables**
driving of a **keyboard** depending on whether a **USB** mouse is attached,
thereby avoiding rebooting of the system.
    DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of
portions of a portable computer adopting a method for controlling
operation of an auxiliary device.
    Keyboard controller driver (10)
    Keyboard controller (11)
    Keyboard (12)
    Touch pad (13)
    Complementary metal oxide semiconductor memory (15)
    Universal serial bus mouse device (16)
    pp; 10 DwgNo 2/4
Title Terms: COMPUTER; SYSTEM; COMPUTER; AUXILIARY; DEVICE; TOUCH; PAD;
  KEYBOARD; CONTROL; CONNECT; OPERATE; SYSTEM; PROGRAM; DETERMINE; EXTERNAL
  ; UNIVERSAL; SERIAL; BUS; MOUSE; DEVICE; ATTACH; COMPUTER
Derwent Class: P85; T01; T04
International Patent Class (Main): G09G-005/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C02A; T01-C02B; T01-C07C4; T01-F05B2; T01-S03;
  T04-F02A5; T04-F02B1

 26/9/9   (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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016157008   **Image available**
WPI Acc No: 2004-314895/200429
XRPX Acc No: N04-250855

**User account managing method, used in computer system, involves creating
user account in host, according to user account information written in
token, after verifying** security **data written in token**
Patent Assignee: COMPAQ INFORMATION TECHNOLOGIES INC (COPQ)
Inventor: ANGELO M F; CARCHIDE J A; NOVOA M
Number of Countries: 001   Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20040064708	A1	20040401	US 2002260892	A	20020930	200429	B

Priority Applications (No Type Date): US 2002260892 A 20020930
Patent Details:

Patent No	Kind Lan	Pg	Main IPC	Filing Notes
US 20040064708	A1	10	H04K-001/00	

Abstract (Basic): US 20040064708 A1
    NOVELTY - An user account is created in the computer system (22),
according to the user account information written in the token (40)
which is inserted into the computer system, after verifying the
security data written in the token.
    DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
    (1) token;
    (2) token configuration system; and
    (3) computer system.
    USE - For managing user account on computer system, using token
such as **USB** based memory device e.g. thumbdrive, smart card e.g.
flash memory.
    ADVANTAGE - The user account is dynamically created on the host, by
reliably verifying **security** data written in the token.
    DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
the token configuration system.
    configuration system (20)
    computer system (22)
    input   device (24)
    memory (32)
    token (40)
    pp; 10 DwgNo 1/4
Title Terms: USER; ACCOUNT; MANAGE; METHOD; COMPUTER; SYSTEM; USER; ACCOUNT
  ; HOST; ACCORD; USER; ACCOUNT; INFORMATION; WRITING; TOKEN; AFTER;
  VERIFICATION; **SECURE** ; DATA; WRITING; TOKEN
Derwent Class: T01; T04; T05
International Patent Class (Main): H04K-001/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-H01B3A; T01-H01C2; T01-J12C; T01-N01A1;
  T01-N02B1; T04-K02; T05-H02B

 26/9/10   (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

016112721
WPI Acc No: 2004-270597/200426
XRPX Acc No: N04-213959
 Input mode of switching input unit and serial use processing method
Patent Assignee: JIABIQI INT CO LTD (JIAB-N)
Inventor: LIU S
Number of Countries: 001   Number of Patents: 001
Patent Family:

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Patent No      Kind   Date      Applicat No     Kind   Date      Week
CN 1469245     A      20040121  CN 2002126360   A      20020719  200426  B
```

Priority Applications (No Type Date): CN 2002126360 A 20020719
Patent Details:
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Patent No   Kind Lan Pg   Main IPC      Filing Notes
CN 1469245     A          G06F-009/445
```

Abstract (Basic): CN 1469245 A
      NOVELTY - Software is loaded into the input devices, and the input devices are connected serially in use and are connected to the **USB** keyboard. After some key in the input devices is depressed by a user, the state of the digital **locking** key in the **input   device** is judged. When the digital locking key is enabled and the depressed key is a digital key, the scanning code corresponding to the digital key willbe transmitted to the computer. When digital locking key is unabled and the depressed key is a directional function key, the scanning code corresponding to the directional function key will be transmitted to the computer. The input devices will not produce mutual influence with the keyboard in all states, and this is rather convenient.
      DwgNo 0/0
Title Terms: INPUT; MODE; SWITCH; INPUT; UNIT; SERIAL; PROCESS; METHOD
Derwent Class: T01; T04
International Patent Class (Main): G06F-009/445
International Patent Class (Additional): G06F-003/00; G06F-013/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-C; T01-F01B; T01-F05B; T01-H; T04-F

26/9/11   (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015967435   **Image available**
WPI Acc No: 2004-125276/200413
XRPX Acc No: N04-100323
   Portable smart card acceptor device incorporates keypad **, liquid crystal display and universal serial bus port**
Patent Assignee: ANNAN K (ANNA-I)
Inventor: ANNAN K
Number of Countries: 001 Number of Patents: 001
Patent Family:
```
Patent No      Kind   Date      Applicat No     Kind   Date      Week
GB 2390929     A      20040121  GB 200216432    A      20020716  200413  B
```

Priority Applications (No Type Date): GB 200216432 A 20020716
Patent Details:
```
Patent No   Kind Lan Pg   Main IPC      Filing Notes
GB 2390929     A      12 G06K-007/00
```

Abstract (Basic): GB 2390929 A
      NOVELTY - The smart card acceptor device (SCAD) incorporates a **keypad** (6), liquid crystal displays (10,11,13) and universal serial bus (**USB**) port (12).
      USE - Portable smart card acceptor device (SCAD). Also applicable for integrated circuit card (ICC).
      ADVANTAGE - Provides a simple smart card acceptor device, by combining the hardware/software components required to support smart card read/write functionality, within a self-contained, **secure** , tamper-proof, pocket-sized mobile module. Thus, data **security** and

operability are improved, and cost is reduced.
       DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of
    the portable smart card acceptor device.
       lid cover (1)
       smart card storage (2)
       keypad (6)
       keys (7-9)
       liquid crystal displays (10,11,13)
       USB port (12)
       pp; 12 DwgNo 2C/2
Technology Focus:
       TECHNOLOGY FOCUS - INDUSTRIAL STANDARDS - The smart card acceptor
    device supports smart cards in compliance with ISO 7816 standards.
Title Terms: PORTABLE; SMART; CARD; ACCEPT; DEVICE; INCORPORATE; LIQUID;
   CRYSTAL; DISPLAY; UNIVERSAL; SERIAL; BUS; PORT
Derwent Class: T01; T04
International Patent Class (Main): G06K-007/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-C07C1; T01-C07C5; T01-H01B3A; T04-K02
? t26/9/15,18,20,23

 26/9/15   (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015838582   **Image available**
WPI Acc No: 2003-900786/200382
XRPX Acc No: N03-719165
   Keylock position information transmission method in computer system,
   involves transmitting keylock usage indicating keylock position
   information, from human interface device to computer system, through
   universal serial bus
Patent Assignee: NATHAN R H (NATH-I)
Inventor: NATHAN R H
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20030204654 A1   20031030 US 2002132381   A   20020426 200382 B

Priority Applications (No Type Date): US 2002132381 A 20020426
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20030204654 A1   7 G06F-013/12

Abstract (Basic): US 20030204654 A1
       NOVELTY - The method involves transmitting keylock usage such as
    button usage indicating keylock position information, from human
    interface device (HID) (114) to computer system, through universal
    serial bus.
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
    following:
       (1) lock unit;
       (2) recorded medium storing lock position information transmission
    program; and
       (3) computer system.
       USE - For transmitting keylock position information of peripheral
    devices such as keyboard connected to computer, using universal serial
    bus (**USB**) protocol.
       ADVANTAGE - Enables transmitting **keyboard lock** data through
    universal serial bus, effectively.

DESCRIPTION OF DRAWING(S) - The figure shows a functional block
diagram of the keyboard.
        pp; 7 DwgNo 2/2
Title Terms: POSITION; INFORMATION; TRANSMISSION; METHOD; COMPUTER; SYSTEM;
   TRANSMIT; INDICATE; POSITION; INFORMATION; HUMAN; INTERFACE; DEVICE;
   COMPUTER; SYSTEM; THROUGH; UNIVERSAL; SERIAL; BUS
Derwent Class: T01; T04
International Patent Class (Main): G06F-013/12
File Segment: EPI
Manual Codes (EPI/S-X): T01-C02A; T01-C07C4; T04-F01A

  26/9/18   (Item 18 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

015488175   **Image available**
WPI Acc No: 2003-550322/200352
XRPX Acc No: N03-437633
  **Computer system integrated with USB apparatus transmits operation
  command to security functional changeover switch, when transmitted ID
  information and stored ID information of USB apparatus are same**
Patent Assignee: RICOH KK (RICO)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2003186819 A   20030704 JP 2001382487   A   20011217 200352 B   *det*

Priority Applications (No Type Date): JP 2001382487 A 20011217
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2003186819 A   9 G06F-013/14

Abstract (Basic): JP 2003186819 A
       NOVELTY - The ID information of the Universal Serial Bus (**USB**)
   apparatus (20) is transmitted to the personal computer (10) and
   compared with the stored ID. Based on the authentication result, the
   operation command of **security** functional changeover switch (28) is
   transmitted from the compatible PC (10).
       USE - Computer system integrated with **USB** apparatus such as
input   device , audio apparatus, digital camera, network apparatus,
printer and **scanner** .
       ADVANTAGE - Connection of specific **USB** apparatus is recognized
and use of other **USB** apparatus is prevented. Thereby irregular
reading or writing of data stored in PC is prevented.
       DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
computer system with **USB** apparatus. (Drawing includes non-English
language text).
       personal computer (10)
       client software (11)
        USB software (12)
        USB interface (13)
        USB controller (14)
        USB apparatus (20)
       peripheral device interface (21)
       switch (26)
        security function changeover switch (28)
        security function status display section (29)
       pp; 9 DwgNo 1/4
Title Terms: COMPUTER; SYSTEM; INTEGRATE; APPARATUS; TRANSMIT; OPERATE;

COMMAND; **SECURE** ; FUNCTION; CHANGEOVER; SWITCH; TRANSMIT; ID;
  INFORMATION; STORAGE; ID; INFORMATION; APPARATUS
Derwent Class: T01
International Patent Class (Main): G06F-013/14
International Patent Class (Additional): G06F-001/00; G06F-015/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-H05B; T01-J; T01-X

 26/9/20   (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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015420703   **Image available**
WPI Acc No: 2003-482843/200345
XRPX Acc No: N03-383977
  **Computer protection arrangement for e.g. portable computers, in which key
  is provided for rotating T-shaped tip member adapted for insertion into
  and locked by slot formed in vicinity of USB socket**
Patent Assignee: AVGANIM M (AVGA-I)
Inventor: AVGANIM M
Number of Countries: 100 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200348907	A2	20030612	WO 2002IL965	A	20021202	200345	B
AU 2002365735	A1	20030617	AU 2002365735	A	20021202	200419	

Priority Applications (No Type Date): IL 146897 A 20011204
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200348907	A2	E	10	G06F-001/00	

    Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
    CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
    IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
    OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU
    ZA ZM ZW
    Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB
    GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW
AU 2002365735 A1   G06F-001/00   Based on patent WO 200348907

Abstract (Basic): WO 200348907 A2
      NOVELTY - The **USB** socket (12) of the computer (10) is used as
  both a mechanical anti-rotational element, and as an **input   device**
  for **disabling** the operation of the computer for anyone other than the
  authorized owner.
      DETAILED DESCRIPTION - The computer protection system includes a
  dedicated slot (14) formed in the sidewall of the computer, at a fixed
  distance from the **USB** socket (12). A plug-in device (16) includes a
  plug (22) projecting from one sidewall of a casing, which fits into the
  socket (12). A rotatable T-shaped tip member (20) for fitting into the
  slot (14), projects from the sidewall at the distance from the plug. A
  key mechanism (18) is coupled to the tip member (20) for rotation and
  locking in a pre-set angular position. The plug-in device (16) is
  adapted to become locked against the computer when plugged to the
  socket, and the tip (20) is turned by less than 180 degrees.
      USE - **Securing** portable equipment e.g. portable computers against
  theft.
      ADVANTAGE - Prevents unauthorized use of the computer while
  protecting the device itself against separation from the computer
  casing.

DESCRIPTION OF DRAWING(S) - The drawing shows a passive plug-in
protection device.
      Portable computer (10)
       USB socket (12)
      Slot (14)
      Protection device (16)
      Key operating mechanism (18)
      Tip member (20)
      Plug (22)
      Cable (24)
      pp; 10 DwgNo 1/5
Title Terms: COMPUTER; PROTECT; ARRANGE; PORTABLE; COMPUTER; KEY; ROTATING;
   SHAPE; TIP; MEMBER; ADAPT; INSERT; LOCK; SLOT; FORMING; VICINITY; SOCKET
Derwent Class: T01; T04
International Patent Class (Main): G06F-001/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-C07C5; T01-L02E; T01-X; T04-L09

   26/9/23   (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014996314   **Image available**
WPI Acc No: 2003-056829/200305
Related WPI Acc No: 2001-181184; 2002-266084
XRPX Acc No: N03-043908
   Anti-theft security **system for computer, has central alarm monitoring
   unit which detects presence of sensor and transmits alarm signal when
   cable wire is cut**
Patent Assignee: PROTEX INT CORP (PROT-N)
Inventor: DECONINCK J; DIMONDA D; RAND R
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6459374   B1 20021001   US 99438648   A   19991112 200305 B
                               US 2000710595   A   20001110
                               US 2001929498   A   20010814

Priority Applications (No Type Date): US 2001929498 A 20010814; US 99438648
   A 19991112; US 2000710595 A 20001110
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6459374   B1   5 G08B-013/12   CIP of application US 99438648
                                     CIP of application US 2000710595
                                     CIP of patent US 6147603
                                     CIP of patent US 6300874

Abstract (Basic): US 6459374 B1
      NOVELTY - A sensor is connected to the cable wires (21) and a
   switch, so that the connector (12) is connected to an electronic device
   through an **USB** port. A central alarm monitoring unit (30) detects the
   presence of the sensor and transmits an alarm signal, when the cable
   wires are cut.
      USE - Anti-theft **security** system for computers in large business
   establishments, electronic stores, office, and also for **scanner** ,
   printer.
      ADVANTAGE - Enables alerting the owner immediately, when theft
   occurs. Prevents the theft of peripherals such as **scanner** and
   printers, using a single alarm unit.

DESCRIPTION OF DRAWING(S) - The figure shows an exploded schematic
view of the computer system.
      Connector (12)
      Cable wire (21)
      Central alarm monitoring unit (30)
      pp; 5 DwgNo 1/3
Title Terms: ANTI; THEFT; **SECURE** ; SYSTEM; COMPUTER; CENTRAL; ALARM;
  MONITOR; UNIT; DETECT; PRESENCE; SENSE; TRANSMIT; ALARM; SIGNAL; CABLE;
  WIRE; CUT
Derwent Class: T01; W05
International Patent Class (Main): G08B-013/12
File Segment: EPI
Manual Codes (EPI/S-X): T01-L02E; T01-L09; W05-B01B2
?
PLEASE ENTER A COMMAND OR BE LOGGED OFF IN 5 MINUTES
? t26/9/25,33,37-38

 26/9/25   (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2004 Thomson Derwent. All rts. reserv.

014968837   **Image available**
WPI Acc No: 2003-029351/200302
XRPX Acc No: N03-023184
   Mouse **for computer, uses interface located on main faces of PCB, that
  communicate data with memory stick and** secure **digital card inserted
  into slots in case**
Patent Assignee: MITSUMI ELECTRIC CO LTD (DENA); KAWASHIMA M (KAWA-I);
  KUROIWA K (KURO-I)
Inventor: KAWASHIMA M; KUROIWA K
Number of Countries: 002 Number of Patents: 002
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 20020140678 A1   20021003 US 2001987030   A   20011113 200302 B
JP 2002287899 A   20021004 JP 200193005   A   20010328 200302

Priority Applications (No Type Date): JP 200193005 A 20010328
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 20020140678 A1   6 G09G-005/08
JP 2002287899 A   5 G06F-003/033
Abstract (Basic): US 20020140678 A1
      NOVELTY - Interfaces are located on the main faces of a printed
  circuit board within the case of the **mouse** (1). The interfaces
  communicate data with a memory stick (20) and a **secure** digital (SD)
  card (30) that are inserted into the respective slots (21,31) in the
  case.
      USE - **Mouse** for computer.
      ADVANTAGE - Two kinds of storage media having different physical
  shapes can be connected to a computer without using dedicated interface
  devices, thereby reducing space around the computer. The **mouse** can be
  connected to the computer and can be used in the same manner as the
  ordinary **mouse** . If the **mouse** corresponds to the **USB** , convenience
  is improved and data communication speed is high.
      DESCRIPTION OF DRAWING(S) - The figure depicts an external
  appearance of the **mouse** .
      Mouse (1)
      Memory stick (20)
      Slots (21,31)
      Secure digital card (30)

pp; 6 DwgNo 2/3
Title Terms: **MOUSE** ; COMPUTER; INTERFACE; LOCATE; MAIN; FACE; PCB;
  COMMUNICATE; DATA; MEMORY; STICK; **SECURE** ; DIGITAL; CARD; INSERT; SLOT;
  CASE
Derwent Class: P85; T01; T04
International Patent Class (Main): G06F-003/033; G09G-005/08
International Patent Class (Additional): G06K-017/00
File Segment: EPI; EngPI
Manual Codes (EPI/S-X): T01-C07C5; T01-H01B3A; T04-F02B1; T04-L05

   26/9/33   (Item 33 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014445381   **Image available**
WPI Acc No: 2002-266084/200231
Related WPI Acc No: 2001-181184; 2003-056829
XRPX Acc No: N02-206654
  Anti-theft computer security **system for computers in stores, has
  central alarm monitoring unit which detects presence of LED and sends
  alarm signal when connector is disconnected from electronic device or
  cable is cut**
Patent Assignee: PROTEX INT CORP (PROT-N)
Inventor: RAND R
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6300874   B1   20011009   US 99438648   A   19991112 200231   B
                                US 2000710595   A   20001110

Priority Applications (No Type Date): US 2000710595 A 20001110; US 99438648
  A 19991112
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6300874   B1   6 G08B-013/12   CIP of application US 99438648
                                     CIP of patent US 6147603

Abstract (Basic): US 6300874 B1
     NOVELTY - A sensor comprises a LED (15) coupled to the wires
  (23,24) in a cable and a diode (14) coupled to ground terminal (19) and
  grounded shell (25) of a contact, such that a circuit is completed when
  an **USB** connector is coupled to an electronic device. A central alarm
  monitoring unit coupled to cable, detects the presence of the LED and
  sends an alarm signal when the connector is disconnected or the cable
  is cut.
     USE - Anti-theft **security** system for computers and also for
  peripherals such as **scanners** , printers and other machines using
  universal serial bus port, in stores and offices.
     ADVANTAGE - Many **USB** connectors with LEDs are connected to a
  single central alarm monitoring unit, so that an entire store or office
  full of computers and peripherals is protected using a single alarm
  unit. Thereby protecting large number of computers and peripherals with
  a single central alarm unit.
     DESCRIPTION OF DRAWING(S) - The figure shows the circuit diagram of
  the **USB** connector.
     Diode (14)
     Light emitting diode (15)
     Ground terminal (19)
     Wires (23,24)

Grounded shell (25)
pp; 6 DwgNo 4/4
Title Terms: ANTI; THEFT; COMPUTER; **SECURE** ; SYSTEM; COMPUTER; STORAGE;
  CENTRAL; ALARM; MONITOR; UNIT; DETECT; PRESENCE; LED; SEND; ALARM; SIGNAL
  ; CONNECT; DISCONNECT; ELECTRONIC; DEVICE; CABLE; CUT
Derwent Class: T01; W01; W05
International Patent Class (Main): G08B-013/12
File Segment: EPI
Manual Codes (EPI/S-X): T01-L02E; W01-A07H1; W05-B01B2; W05-B05B9

26/9/37   (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014391428   **Image available**
WPI Acc No: 2002-212131/200227
XRPX Acc No: N02-162095
  Mouse with USB **interface has transmitter that sends resume signal**
  indicating transition to usual mode from suspension mode through USB
  interface when change of state in mouse is detected
Patent Assignee: FUJITSU TAKAMIZAWA COMPONENT KK (FUJI-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002041237	A	20020208	JP 2000227566	A	20000724	200227	B

Priority Applications (No Type Date): JP 2000227566 A 20000724
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002041237	A		13	G06F-003/033	

Abstract (Basic): JP 2002041237 A
     NOVELTY - The mouse (1) has a transmitter (15) that sends a resume
  signal indicating transition to usual mode from suspension mode through
  a **USB** interface (11) when a change of state is detected. A suspending
  unit (14) stops the operation of a detector (12) in predetermined
  waiting time after receiving a suspension signal. The detector senses
  the change of state in the mouse.
     DETAILED DESCRIPTION - A receiver (13) obtains the suspension
  signal, indicating transition to suspension mode from usual mode,
  through the **USB** interface.
     USE - Mouse with universal serial bus (**USB**) interface.
     ADVANTAGE - Prevents cursor movement when in suspension mode even
  when mouse is moved, clicked, lifted or vibrated. **Prevents**
  malfunction or unintentional **operation** of **mouse** . Has improved
  reliability, reliable condition variation and remote operation.
     DESCRIPTION OF DRAWING(S) - The figure shows the functional block
  diagram of the **USB** mouse. Drawing includes non-English language text.

     Mouse (1)
      USB interface (11)
     Detector (12)
     Receiver (13)
     Suspending unit (14)
     Transmitter (15)
     pp; 13 DwgNo 6/8
Title Terms: MOUSE; INTERFACE; TRANSMIT; SEND; RESUME; SIGNAL; INDICATE;
  TRANSITION; USUAL; MODE; SUSPENSION; MODE; THROUGH; INTERFACE; CHANGE;
  STATE; MOUSE; DETECT

Derwent Class: T01; T04
International Patent Class (Main): G06F-003/033
International Patent Class (Additional): G06F-001/32
File Segment: EPI
Manual Codes (EPI/S-X): T01-C07C; T01-L01; T04-F02B

26/9/38   (Item 38 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014365562   **Image available**
WPI Acc No: 2002-186263/200224
  Hardware device having driver program for changing and recovering data
  for security **of personal computer and controlling external** input
  /output apparatus **(** usb **port, printer port, serial port, fdd, etc)**
Patent Assignee: SDIT INC (SDIT-N)
Inventor: CHOI I S; KANG J C; KIM M S; KIM S W
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
KR 2001094068 A   20011031 KR 200017461   A   20000403 200224 B

Priority Applications (No Type Date): KR 200017461 A 20000403
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
KR 2001094068 A   1 G06F-012/14

Abstract (Basic): KR 2001094068 A
     NOVELTY - A hardware device having a driver program for changing
  and recovering a data for **security** of a personal computer and
  controlling an external **input** /output **apparatus** (a **USB** port, a
  printer port, a serial port, a FDD, etc.) is provided to prevent data
  leakage through an external **input** /output **apparatus** by an
  uncertified user.
     DETAILED DESCRIPTION - A driver program operates by receiving a
  command of an application program. A management board is installed on
  the deriver program. A decoding logic(3) decodes an address bus by
  being installed on an ISA slot of an IBM PC. A flash memory(4) stores a
  data bus latch, a data and the driver program. An address of the flash
  memory is determined by using a data on the PC Bus. A wanted
  information is readable and writable in the upper application program.
  A loading, an input/output information and a data access history of a
  user are recorded in the flash memory. The application program records
  a coded information in a certain area. If a predetermined information
  in a predetermined area is not read, the application program is
  finished or the system is shut down.
     pp; 1 DwgNo 1/10
Title Terms: HARDWARE; DEVICE; DRIVE; PROGRAM; CHANGE; RECOVER; DATA;
  SECURE ; PERSON; COMPUTER; CONTROL; EXTERNAL; INPUT; OUTPUT; APPARATUS;
  PORT; PRINT; PORT; SERIAL; PORT
Derwent Class: T01
International Patent Class (Main): G06F-012/14
File Segment: EPI
Manual Codes (EPI/S-X): T01-H01C2
? t26/9/42-44

26/9/42   (Item 42 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013811700   **Image available**
WPI Acc No: 2001-295912/200131
XRPX Acc No: N01-211903
   Interface switching apparatus for input   device , **changes output of
   connector of** keyboard **to signal corresponding to interface of computer**
Patent Assignee: ALPS ELECTRIC CO LTD (ALPS)
Inventor: SONODA Y
Number of Countries: 003 Number of Patents: 003
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
JP 2001067159 A   20010316 JP 99241052   A   19990827 200131 B
TW 476042   A   20020211 TW 2000115181 A   20000728 200304
US 6763408   B1   20040713 US 2000639548 A   20000816 200446

Priority Applications (No Type Date): JP 99241052 A 19990827
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
JP 2001067159 A   5 G06F-003/00
TW 476042   A   G06F-003/02
US 6763408   B1   G06F-013/12
Abstract (Basic): JP 2001067159 A
      NOVELTY - The apparatus connects the connector (7) corresponding to
   interface of **keyboard** apparatus (2) and **USB** port (12) corresponding
   to interface of computer (3). When the connector is connected to the
   apparatus, it imparts a discriminative information from apparatus, when
   the output of connector is changed to a signal corresponding to
   interface of computer.
      USE - For **input   device** e.g. **keyboard** , **mouse** .
      ADVANTAGE - Stability of operation is **secured** as the apparatus do
   not perform direct signal conversion. Interface is easily changeable
   using simple mechanism.
      DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of
   interface switching apparatus.
      Keyboard apparatus (2)
      Computer (3)
      Connector (7)
      USB port (12)
      pp; 5 DwgNo 1/3
Title Terms: INTERFACE; SWITCH; APPARATUS; INPUT; DEVICE; CHANGE; OUTPUT;
   CONNECT; **KEYBOARD** ; SIGNAL; CORRESPOND; INTERFACE; COMPUTER
Derwent Class: T01
International Patent Class (Main): G06F-003/00; G06F-003/02; G06F-013/12
International Patent Class (Additional): G06F-013/38
File Segment: EPI
Manual Codes (EPI/S-X): T01-C07C

 26/9/43   (Item 43 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013696960   **Image available**
WPI Acc No: 2001-181184/200118
Related WPI Acc No: 2002-266084; 2003-056829
XRPX Acc No: N01-129124
   Anti theft security **system for computers, has central alarm monitoring
   unit which detects presence of sensor and sends alarm signal, when
   connector is disconnected from computer or the cable is cut**
Patent Assignee: PROTEX INT CORP (PROT-N)

Inventor: RAND R
Number of Countries: 001   Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
US 6147603   A   20001114 US 99438648   A   19991112 200118 B

Priority Applications (No Type Date): US 99438648 A 19991112
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6147603   A   5 G08B-013/12

Abstract (Basic): US 6147603 A
        NOVELTY - A cable (20) comprising multiple wires (21) is connected
    to sensor and contact (12) extending from housing. Another end of the
    cable is connected to a central alarm monitoring unit (30). The central
    alarm monitoring unit detects the presence of sensor and sends an alarm
    signal, when the connector is disconnected from computer (50) or the
    cable is cut.
        DETAILED DESCRIPTION - The contact (12) extending from housing
    (11), comprises 'data +' and 'data -' terminals for connecting to **USB**
    port (52) on computer (50). An INDEPENDENT CLAIM is also included for
    USB connector for connecting to computer.
        USE - For computer in large business establishment such as retail
    stores.
        ADVANTAGE - The **security** system immediately alerts the owner if
    theft or tampering occurs. Prevents theft of peripherals such as
    scanners , printer and other machines.
        DESCRIPTION OF DRAWING(S) - The figure shows exploded schematic
    view of **security** system.
        Housing (11)
        Contact (12)
        Cable (20)
        Wires (21)
        Monitoring unit (30)
        Computer (50)
         USB port (52)
        pp; 5 DwgNo 1/3
Title Terms: ANTI; THEFT; **SECURE** ; SYSTEM; COMPUTER; CENTRAL; ALARM;
   MONITOR; UNIT; DETECT; PRESENCE; SENSE; SEND; ALARM; SIGNAL; CONNECT;
   DISCONNECT; COMPUTER; CABLE; CUT
Derwent Class: T01; W05
International Patent Class (Main): G08B-013/12
File Segment: EPI
Manual Codes (EPI/S-X): T01-J12C; T01-L09; W05-B01B

 26/9/44   (Item 44 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013483115   **Image available**
WPI Acc No: 2000-655058/200063
XRPX Acc No: N00-485475
  **ROM scan startup protection tool for personal computer, provides scan
  code, lock code, control transfer code and unlock code within system BIOS**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BONOMO R; FREEMAN J W; JOHNSON R D; SPRINGFIELD R S
Number of Countries: 001   Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week

US 6098171   A   20000801 US 9852733   A   19980331   200063   B

Priority Applications (No Type Date): US 9852733 A 19980331
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
US 6098171   A   14 G06F-011/00

Abstract (Basic): US 6098171 A
        NOVELTY - A code device has an utility code capable of controlling
    a CPU after executing POST initialization code instruction with the
    system BIOS. A scan code, lock code, control transfer code and unlock
    code are provided within the system BIOS to provide identification of
    presence of code device, **disablement** of **input   device** , execution
    of utility code by CPU and enablement of **input   device** .
        DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for
    method to **secure** access to information handling system.
        USE - For protection and control over access of data from personal
    computer during startup.
        ADVANTAGE - Supports the universal serial bus (**USB**) BIOS and
    includes a disable function that will block input from **USB** if the
    security function has been enabled.
        DESCRIPTION OF DRAWING(S) - The figure shows the schematic view of
    certain components of personal computer.
        pp; 14 DwgNo 3/5
Title Terms: ROM; SCAN; PROTECT; TOOL; PERSON; COMPUTER; SCAN; CODE; LOCK;
  CODE; CONTROL; TRANSFER; CODE; UNLOCK; CODE; SYSTEM
Derwent Class: T01
International Patent Class (Main): G06F-011/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-F05B2; T01-F05E; T01-J12C
? t26/9/48

 26/9/48   (Item 48 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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012407190
WPI Acc No: 1999-213298/199918
XRPX Acc No: N99-156856
  Power up security **for computer external device bay - uses two part
  process decoding connection as belonging to an EDB routing to EDB** USB
  device driver and password checking during power up
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No   Kind   Date   Applicat No   Kind   Date   Week
RD 419091   A   19990310 RD 99419091   A   19990220 199918 B

Priority Applications (No Type Date): RD 99419091 A 19990220
Patent Details:
Patent No Kind Lan Pg   Main IPC   Filing Notes
RD 419091   A   2 G06F-000/00

Abstract (Basic): RD 419091 A
        The rerouting of the **keyboard** controller is performed, when the
    EDB is connected to the host system using a **USB** connection event. The
    system decodes the connection as belonging to an EDB and routes it to
    the EDB **USB** device driver.
        The power **security** unit (PSU) is responsible for storing and
    checking the password as well as providing the signalling to the power

switch when a correct password has been entered. The password checking is based on **USB** usage codes that are sent from a **USB** controller. Once correctly entered a password program command is updated and the password is stored in a non-volatile memory.

ADVANTAGE - Requires no additional hardware on the host side and only the software addition of a device driver, so that any existing computer equipped with a **USB** port can use this **security** mechanism.

Dwg.0

Title Terms: POWER; UP; **SECURE** ; COMPUTER; EXTERNAL; DEVICE; BAY; TWO; PART; PROCESS; DECODE; CONNECT; BELONG; ROUTE; DEVICE; DRIVE; PASSWORD; CHECK; POWER; UP

Derwent Class: T01

International Patent Class (Main): G06F-000/00

File Segment: EPI

Manual Codes (EPI/S-X): T01-F05B3; T01-J12C; T01-L01